

United States Department of Agriculture  
Animal and Plant Health Inspection Service  
4700 River Road  
Riverdale, MD 20737

**Permit to Move Live Plant Pests, Noxious Weeds, and Soil**  
Intrastate Movement  
**Regulated by 7 CFR 330**

This permit was generated electronically via the ePermits system

<b>PERMITTEE NAME:</b>	Mrs. Terri Thomas	<b>PERMIT NUMBER:</b>	P526P-15-03842
<b>ORGANIZATION:</b>	FMC	<b>APPLICATION NUMBER:</b>	P526-171103-035
<b>ADDRESS:</b>	13130 Road 19 Madera, CA 93637	<b>FACILITY NUMBER:</b>	N/A
<b>MAILING ADDRESS:</b>	13130 Road 19 Madera, CA 93637	<b>HAND CARRY:</b>	Yes
<b>PHONE:</b>	559-674-3440	<b>DATE ISSUED:</b>	12/15/2017
<b>FAX:</b>	559-674-9051	<b>EXPIRES:</b>	<b>12/15/2020</b>
<b>DESTINATION:</b>	13130 Road 19, Madera, CA 93637		
<b>RELEASE:</b>	13130 Road 19, Madera, CA 93637		

Under the conditions specified, this permit authorizes the following:

**Article Category:** Invertebrate Pests - Nematodes

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
Meloidogyne incognita	Egg, Juveniles	Research - Field	CA, CA	Originally Collected from Within the Continental U.S.	
Mesocriconema xenoplax	Egg, Juveniles	Research - Field	CA	Originally Collected from Within the water Continental U.S.	
Pratylenchus vulnus	Egg, Juveniles	Research - Field	CA	Originally Collected from Within the water Continental U.S.	
Tylenchulus semipenetrans	Egg, Juveniles	Research - Field	CA	Originally Collected from Within the water Continental U.S.	
Xiphinema americanum	Egg, Juveniles	Research - Field	CA	Originally Collected from Within the water Continental U.S.	

**PERMIT GUIDANCE**

Receipt or use of foreign isolates or samples from countries under sanctions requires specific permission from the U.S. Department of Treasury (see <http://www.treasury.gov/resource-center/sanctions/Programs/Pages/Programs.aspx> for current country/regional listings) for current country listings.

This permit does not authorize importation, interstate movement, possession, and/or use of strains of genetically engineered regulated organisms (created by the use of recombinant DNA technology).

Permit Number P526P-15-03842

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING  
PPQ HEADQUARTER OFFICIAL VIA EPERMITS.

*Carl P. Schulze*

Carl Schulze

DATE

12/15/2017

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to [http://www.aphis.usda.gov/import\\_export/animals/animal\\_import/animal\\_imports\\_anproducts.shtml](http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_anproducts.shtml).

This permit does not fulfill the requirements of other federal or state regulatory authorities. As appropriate, please contact the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, or your States Department of Agriculture to ensure proper permitting.

If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.


### PERMIT CONDITIONS

This permit authorizes the movement of pure cultures of the listed organisms from within the continental United States to Terri Thomas with FMC in Madera, California for field research at the FMC California Technology & Research Center in Madera County in California.

1. The permit holder must:
  - (a) comply with all requirements and permit conditions,
  - (b) maintain a valid permit so long as the regulated organisms are alive,
  - (c) this permit cannot be assigned or transferred to other persons.
  - (d) permittee must maintain a residence in the United States
  - (e) safeguard and dispose of the regulated organisms during the term of this permit,
  - (f) take all necessary precautions to prevent the unauthorized release of regulated organisms. In the event of an unauthorized release, the permit holder must notify the permit unit,
  - (g) adequately mitigate environmental impacts resulting from unauthorized release of regulated organisms,
  - (h) contain any/all organisms not authorized under this permit,
  - (i) notify the permit unit of the receipt of unauthorized organisms,
  - (j) notify the permit unit if facilities are destroyed or decommissioned for any reason,
  - (k) maintain an official permanent work assignment at the address on this permit,
  - (l) notify the permit unit in advance of any change in the permit holder's work assignment,
  - (m) destroy all regulated organisms prior to departure unless other arrangements are confirmed by the permit unit prior to the permit holder's departure, and
  - (n) notify the permit unit of the destruction of regulated organisms.

Notifications to the permit unit must be made via 866-524-5421 or [pest.permits@aphis.usda.gov](mailto:pest.permits@aphis.usda.gov) within one business day of the event triggering a notification.

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2. This permit does not authorize movement or use of plant pathogens listed in the Public Health Security and Bioterrorism Preparedness and Response Act of 2002. If any organism listed as a Select Agent is identified from materials associated with this research, the permit holder is required to notify APHIS, Agricultural Select Agent Program (ASAP) immediately by phone at 301-851-3300, and within seven (7) days submit APHIS/CDC Form 4 (Report of Identification of a Select Agent or Toxin in a Clinical or Diagnostic Laboratory) to APHIS, ASAP; 4700 River Rd, Unit 2, Riverdale, MD 20737 (see instructions at: [http://www.aphis.usda.gov/programs/ag\\_selectagent/index.shtml](http://www.aphis.usda.gov/programs/ag_selectagent/index.shtml)). Failure to comply with this requirement is a violation of the Agricultural Bioterrorism Protection Act of 2002.
3. Without prior notice and during reasonable hours, authorized PPQ and/or State regulatory officials shall be allowed to inspect the conditions associated with the regulated organisms authorized under this permit.
4. All persons working with these organisms must be informed of these permit conditions. Anyone working with these organisms must agree to and sign/ initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA APHIS but must be readily accessible in the event of an inspection and presented upon request.


Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized organisms and life stages, release locations if applicable, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

5. Inoculum for field trials must originate from pure cultures of identified organisms.
6. Only U.S. isolates are authorized. Isolates must be representative (e.g. races, chemotypes) of those found in California or in contiguous states. No foreign isolates are authorized.
7. The permit holder and/or those authorized by the permit holder shall conduct or supervise all field related activities connected with the use of the regulated organism(s), such as application, sampling and plant care. Plots must be located in limited access areas (i.e., not general traffic or public areas) and must be clearly marked during the duration of the experiments.

The Permit holder must maintain updated protocols for planned and on-going field trails, including maps or other depiction of plot locations and make them available to USDA APHIS upon request.

8. Field plots must be surrounded by a buffer zone between the plots and any commercial production areas. The buffer zone can be planted to non host plants or consist of an unplanted, non-irrigated area.

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9. Organisms must be shipped, or transported to the field, in securely sealed and escape-proof packages.

All packages for transport must minimally consist of both inner (primary) and outer (secondary) packages securely sealed and escape-proof so that both are effective barriers to escape. More than one inner container may be placed in the secondary container. The inner package(s) shall contain all organisms and must be cushioned and sealed in such a way that they remain sealed during the shock, impact and pressure changes that may occur during transit. The outer shipping container must be rigid and strong enough to withstand typical commercial shipping conditions (dropping, stacking, impact from other freight, etc.) without opening.


10. The permit holder and those s/he designates are authorized to transport regulated organisms in containers as described in Condition #9 within California by motor vehicle or commercial transportation. Place a copy of this permit with all shipments.
11. All un-used and leftover organisms, and all packaging materials in contact with organisms and/or contaminants, must be sufficiently heat or chemically treated to kill all regulated organisms and contaminants prior to disposal.

Alternatively, un-used inoculum may be double bagged and disposed of in a municipal landfill.

12. There is to be no further movement or distribution of organisms without prior approval from State and Federal regulatory officials.
13. You must notify us at Pest.Permits@aphis.usda.gov. as soon as possible but not later than within 5 working days if the plant pathogen or associated host organism is found to have characteristics substantially different from those expected, or suffers any unusual occurrence (excessive mortality or morbidity, or unanticipated effect on non-target organisms).
14. Under the Plant Protection Act, individuals or corporations who fail to comply with these conditions and authorizations, or who forge, counterfeit, or deface permits or shipping labels may receive civil or criminal penalties, and may have all current permits cancelled and future permit applications denied.

### END OF PERMIT CONDITIONS

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